

Types AEB, AFC, AFK Material Content Declaration

AHA, AHD, AVS SMT Aluminum Electrolytic Capacitors

Material Content for RoHS Compliant Parts (<1000 ppm Lead Content)

Construction Element	Material Group	Materials	CAS if Applicable	Typical Mass (Wt. %)	ppm	Sum (%)
Active Part	Metals	Al (foil)	7429-90-5	22.3	223000	38.2
	Liquids	Ethylene Glycol	25322-68-3	11.0	110000	
		Gamma Butyrolactone	96-48-0			
	Other	Paper		4.9	49000	
Encapsulation (Cover Disk)	Metals	Al (case)	742990-5	30.3	303000	47.9
	Plastics	Polyamide 6	25038-54-4	0.2	2000	
	Other	Rubber		17.4	174000	
Termination (Terminal Plate)	Metals	Fe (Sn+Pb) coated wire	7439-89-6	2.6	26000	13.9
		(Lead)	7439-92-1	(0.008)		
	Plastics	PPS		11.3	113000	



Content, Reflow Temperatures, Case Sizes and Weight

< 1000 ppm Lead	
CDE Part Number	No Change
Rubber Sealing	Synthetic Rubber
Aluminum Case	Aluminum
Terminal	Tinned Copper-clad Steel Wire
Terminal finish	Tin and Lead Sn + Sn/5Pb
Separator	Manila Hemp
Anode Foil	High Purity Aluminum Foil
Cathode Foil	Aluminum Foil
Electrolyte	Organic Solvent
Terminal Plate	Thermo-plastic resin
Peak Temperature	≤ 5 s @ 240 °C (3 - 6.3 mm Dia.)
	≤ 5 s @ 230 °C (8 - 18 mm Dia.)
Reflow Temperature	≤ 40 s @ 200 °C (3 - 6.3 mm Dia.)
	≤ 30 s @ 200 °C (8 - 18 mm Dia.)

Case Code	Case Size D x L (mm)	Weight (g)
A	3.0 x 5.4	0.08
B	4.0 x 5.4**	0.12
C	5.0 x 5.4**	0.20
D	6.3 x 5.4**	0.30
X	6.3 x 7.9	0.44
E	8.0 x 6.2	0.52
F	8.0 x 10.2	0.88
G	10.0 x 10.2	1.29
H	12.5 x 13.5	2.49
J	10.0 x 13.5	1.43
K	10.0 x 16.5	1.89
L	12.5 x 16.5	2.87
P	16.0 x 16.5	5.31
R	18.0 x 16.5	6.98
S	18.0 x 21.5	7.87
U	16.0 x 21.5	6.22

** 5.8 ±.3 for AFK and AHD

To the best of our knowledge, the information provided on the enclosed is correct as of the date indicated on the document. Since some of the information is provided by the acceptance of data from sources outside of Cornell Dubilier Electronics, we can not guarantee that all is complete and accurate.

061306